L Number	Hits	Search Text	DB	Time stamp
- Mainer	306	(600/528).CCLS.	USPAT;	2003/09/27
			US-PGPUB; EPO; JPO	15:22
_	129	((600/528).CCLS.) and (@ad<20010702 or @rlad<20010702) and filter\$3	USPAT; US-PGPUB;	2003/09/25
		44600 45001 5555	EPO; JPO	
-	39	((600/528).CCLS.) and (@ad<20010702 or @rlad<20010702) and filter\$3 and threshold\$3	USPAT; US-PGPUB; EPO; JPO	2003/09/15
. –	51	((600/528).CCLS.) and (@ad<20010702 or @rlad<20010702) and filter\$3 and	USPAT; US-PGPUB;	2003/09/15 14:12
_	26	<pre>(envelope or smooth\$4 or differentiat\$3) (((600/528).CCLS.) and (@ad<20010702 or @rlad<20010702) and filter\$3 and</pre>	EPO; JPO USPAT; US-PGPUB;	2003/09/15
		threshold\$3) and (((600/528).CCLS.) and (@ad<20010702 or @rlad<20010702) and filter\$3 and (envelope or smooth\$4 or differentiat\$3))	EPO; JPO	17.11
_	257	600/586	USPAT;	2003/09/15
			US-PGPUB; EPO; JPO	14:12
_	58	600/586 and (@ad<20010702 or @rlad<20010702) and filter\$3 and (envelope or smooth\$4 or differentiat\$3)	USPAT; US-PGPUB; EPO; JPO	2003/09/15 14:12
-	37	600/586 and (@ad<20010702 or @rlad<20010702) and filter\$3 and	USPAT; US-PGPUB;	2003/09/15 14:12
_	189	threshold\$3 (600/586).CCLS.	EPO; JPO USPAT;	2003/09/15
	105	(000) 300) . CCLS.	US-PGPUB; EPO; JPO	14:56
_	41	((600/586).CCLS.) and (@ad<20010702 or @rlad<20010702) and filter\$3 and (envelope or smooth\$4 or differentiat\$3)	USPAT; US-PGPUB; EPO; JPO	2003/09/15
_	24	((600/586).CCLS.) and (@ad<20010702 or @rlad<20010702) and filter\$3 and threshold\$3	USPAT; US-PGPUB; EPO; JPO	2003/09/15 14:56
-	18	(((600/586).CCLS.) and (@ad<20010702 or @rlad<20010702) and filter\$3 and	USPAT; US-PGPUB;	2003/09/15 15:00
	105	(envelope or smooth\$4 or differentiat\$3)) and (((600/586).CCLS.) and (@ad<20010702 or @rlad<20010702) and filter\$3 and threshold\$3)	EPO; JPO	
	135	((600/508,509,513,528,586).CCLS.) and ((heart same (sound or acoustic or audio)) or phonocardiogra\$3) and (smooth\$3 or differentiat\$4 or averag\$3 or mean or envelope) and (squar\$4 or absolute or (peak near2 detect\$3)) and (@ad<20010702 or @rlad<20010702)	USPAT; US-PGPUB; EPO; JPO	2003/09/16
	435	(600/528,586).CCLS.	USPAT; US-PGPUB;	2003/09/23 11:50
_	362	((600/528,586).CCLS.) and (@ad<20010702 or @rlad<20010702)	EPO; JPO USPAT; US-PGPUB;	2003/09/23 13:08
_	94	(((600/528,586).CCLS.) and (@ad<20010702 or @rlad<20010702)) and (((first or second) with (heart near2 sound)) or (s1	EPO; JPO USPAT; US-PGPUB; EPO; JPO	2003/09/23 12:26
_	31	or s2)) (((600/528,586).CCLS.) and (@ad<20010702 or @rlad<20010702)) and (((first or	USPAT; US-PGPUB;	2003/09/23
_	17	second) with (heart near2 sound)) or (s1 or s2)) and threshold\$4 (((600/528,586).CCLS.) and (@ad<20010702 or @rlad<20010702)) and (((first or	EPO; JPO USPAT; US-PGPUB;	2003/09/23 12:45
		second) with (heart near2 sound)) or (s1 or s2 or "S 1" or "s 2" or HS1 or HS2 or "SI" or "HSI")) and	EPO; JPO	
	L	envelop\$3	<u> </u>	

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-	18	(((600/528,586).CCLS.) and (@ad<20010702 or @rlad<20010702)) and envelop\$3 and differentia\$5	USPAT; US-PGPUB;	2003/09/23 12:41
-	103	(((600/528,586).CCLS.) and (@ad<20010702 or @rlad<20010702)) and (((first or	EPO; JPO USPAT;	2003/09/23 13:09
		second) with (heart near2 sound)) or (s1 or s2 or "S 1" or "s 2" or HS1 or HS2 or "SI" or "HSI"))	US-PGPUB; EPO; JPO	13:09
-	43	<pre>((((600/528,586).CCLS.) and (@ad<20010702) or @rlad<20010702)) and (((first or second) with (heart near2 sound)) or (s1 or s2 or "S 1" or "s 2" or HS1 or HS2 or "SI" or "SII" or "HSI" or "HSII"))) and (derivative\$1 or differentiat\$4 or differentiation or smooth\$5)</pre>	USPAT; US-PGPUB; EPO; JPO	2003/09/23 13:01
_	14	((((600/528,586).CCLS.) and (@ad<20010702 or @rlad<20010702)) and (((first or second) with (heart near2 sound)) or (s1 or s2 or "S1" or "s 2" or HS1 or HS2 or "SI" or "SII" or "HSI"))) and (derivative\$1 or differentiat\$4 or differentiation or smooth\$5) and squar\$4 and threshold\$3	USPAT; US-PGPUB; EPO; JPO	2003/09/23 13:08
-	162	(128/901).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/09/23
-	143	((128/901).CCLS.) and (@ad<20010702 or @rlad<20010702)	USPAT; US-PGPUB; EPO; JPO	2003/09/23 13:21
_	6	<pre>(((128/901).CCLS.) and (@ad<20010702 or @rlad<20010702)) and (derivat\$7 or differentiat\$4 or differentiation or smooth\$5) and squar\$4 and threshold\$3</pre>	USPAT; US-PGPUB; EPO; JPO	2003/09/23
_	14	((((600/528,586).CCLS.) and (@ad<20010702 or @rlad<20010702)) and (((first or second) with (heart near2 sound)) or (sl or s2 or "S 1" or "s 2" or HSl or HS2 or "SI" or "SII" or "HSI" or "HSII"))) and (derivat\$7 or differentiat\$4 or differentiation or smooth\$5) and squar\$4 and threshold\$3	USPAT; US-PGPUB; EPO; JPO	2003/09/23
-	834	(600/508,513).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/09/23
_	767	((600/508,513).CCLS.) and (@ad<20010702 or @rlad<20010702)	USPAT; US-PGPUB; EPO; JPO	2003/09/23
-	88	or @rlad<20010702)) and (((first or second) with (heart near2 sound)) or (s1 or s2 or "S 1" or "s 2" or HS1 or HS2 or "SI" or "SII" or "HSII"))	USPAT; US-PGPUB; EPO; JPO	2003/09/23
-	21	((((600/508,513).CCLS.) and (@ad<20010702) or @rlad<20010702)) and (((first or second) with (heart near2 sound)) or (sl or s2 or "S1" or "s2" or HS1 or HS2 or "SI" or "SII" or "HSII"))) and (derivat\$7 or differentiat\$4 or differentiation or smooth\$5) and squar\$4 and threshold\$3	USPAT; US-PGPUB; EPO; JPO	2003/09/23
-	112	(((600/508,513).CCLS.) and (@ad<20010702) or @rlad<20010702)) and ((heart near2) sound) or s1 or s2 or "S1" or "s2" or HS1 or HS2 or "SI" or "SII" or "HSI" or "HSII" or (lub near2 dub))	USPAT; US-PGPUB; EPO; JPO	2003/09/23

-	22	((((600/508,513).CCLS.) and (@ad<20010702	USPAT;	2003/09/23
		or @rlad<20010702)) and ((heart near2	US-PGPUB;	13:18
		sound) or s1 or s2 or "S 1" or "s 2" or	EPO; JPO	
		HS1 or HS2 or "SI" or "SII" or "HSI" or		
		"HSII" or (lub near2 dub))) and		
		(derivat\$7 or differentiat\$4 or		
		differentiation or smooth\$5) and squar\$4		
		and threshold\$3		
-	1	(((((600/508,513).CCLS.) and	USPAT;	2003/09/23
		(@ad<20010702 or @rlad<20010702)) and	US-PGPUB;	13:18
		((heart near2 sound) or s1 or s2 or "S 1"	EPO; JPO	
		or "s 2" or HS1 or HS2 or "SI" or "SII"		
		or "HSI" or "HSII" or (lub near2 dub)))		
		and (derivat\$7 or differentiat\$4 or		
		differentiation or smooth\$5) and squar\$4		
		and threshold\$3) not		
İ		(((((600/508,513).CCLS.) and		
		(@ad<20010702 or @rlad<20010702)) and		
		(((first or second) with (heart near2		
		sound)) or (s1 or s2 or "S 1" or "s 2" or		
		HS1 or HS2 or "SI" or "SII" or "HSI" or		
		"HSII"))) and (derivat\$7 or		
		differentiat\$4 or differentiation or		
	79	<pre>smooth\$5) and squar\$4 and threshold\$3) (128/902).CCLS.</pre>	USPAT;	2003/09/23
_	/9	(128/902).CCLS.	US-PGPUB;	13:21
			EPO; JPO	13.21
	64	((128/902).CCLS.) and (@ad<20010702 or	USPAT;	2003/09/23
-	64	((1287902).ccbs.) and (ead(20010702 01	US-PGPUB;	13:22
		GIIAG(20010702)	EPO; JPO	13.22
	2	(((128/902).CCLS.) and (@ad<20010702 or	USPAT;	2003/09/23
-		@rlad<20010702)) and (derivat\$7 or	US-PGPUB;	14:50
		differentiat\$4 or differentiation or	EPO; JPO	11.50
1		smooth\$5) and squar\$4 and threshold\$3	210, 010	
_	834		USPAT;	2003/09/23
		(000,000,000,000	US-PGPUB;	15:00
			EPO; JPO	
_	216	(((600/504).CCLS.) and (@ad<20010702 or	USPAT;	2003/09/23
		@rlad<20010702)) and ((pulse near2 wave)	US-PGPUB;	14:54
		or (velocit\$3 or speed\$3))	EPO; JPO	
-	767		USPAT;	2003/09/23
		or @rlad<20010702)	US-PGPUB;	14:53
			EPO; JPO	
-	35		USPAT;	2003/09/23
		or @rlad<20010702)) and ((pulse near2	US-PGPUB;	15:00
	1	<pre>wave\$4) and (velocit\$3 or speed\$3))</pre>	EPO; JPO	
-	671	(600/481,504).CCLS.	USPAT;	2003/09/23
			US-PGPUB;	14:59
1			EPO; JPO	0000/00/00
-	615	((600/481,504).CCLS.) and (@ad<20010702	USPAT;	2003/09/23
		or @rlad<20010702)	US-PGPUB;	14:59
			EPO; JPO	2002/00/22
_	45	(((600/481,504).CCLS.) and (@ad<20010702	USPAT;	2003/09/23
		or @rlad<20010702)) and ((pulse near2	US-PGPUB;	15:03
		wave\$4) same (velocit\$3 or speed\$3))	EPO; JPO	2002/00/22
-	54		USPAT;	2003/09/23
		(velocit\$3 or speed\$3)) and ((heart near2	US-PGPUB;	15:30
		sound\$1) or phonocardiogra\$4) and	EPO; JPO	
	27	(@ad<20010702 or @rlad<20010702)	HCDAT.	2003/09/23
-	27	600/\$ and ((heart near2 sound\$1) or	USPAT; US-PGPUB;	2003/09/23
		phonocardiogra\$4) and (@ad<20010702 or @rlad<20010702) and (systol\$2 with (tim\$3	EPO; JPO	13.30
		or period)) and ((pulse near2 wave\$4)	EFO, UPO	
		or period)) and ((pulse hearz wave;4) same (velocit\$3 or speed\$3))		1
1	I .	ladme (Actoriol of absendal)	1	

	·		, 	
-	0	(000) ((USPAT;	2003/09/23
		phonocardiogra\$4) and (@ad<20010702 or	US-PGPUB;	15:30
		@rlad<20010702) and (systol\$2 with (tim\$3	EPO; JPO	
		or period)) and ((pulse near2 wave\$4)		
		same (velocit\$3 or speed\$3))) not (600/\$		
		and ((pulse near2 wave\$4) same (velocit\$3		
		or speed\$3)) and ((heart near2 sound\$1)		
		or phonocardiogra\$4) and (@ad<20010702 or		
		@rlad<20010702))		
-	52	600/\$ and (@ad<20010702 or	USPAT;	2003/09/25
	1	Grlad<20010702) and (pulse with	US-PGPUB;	14:27
		(velocit\$3 or speed\$1)) and ((heart near2	EPO; JPO	
		sounds) or phono\$1cardiogra\$4)	·	
_	106	600/\$ and (@ad<20010702 or	USPAT;	2003/09/25
		@rlad<20010702) and (pulse with	US-PGPUB;	14:42
		(velocit\$3 or speed\$1)) and ((heart with	EPO; JPO	
		sound\$1) or phono\$1cardiogra\$4)	,	
_	54	(600/\$ and (@ad<20010702 or	USPAT;	2003/09/25
		@rlad<20010702) and (pulse with	US-PGPUB;	14:27
		(velocit\$3 or speed\$1)) and ((heart with	EPO; JPO	
	ļ	sound\$1) or phono\$1cardiogra\$4)) not	,	
		(600/\$ and (@ad<20010702 or		
		@rlad<20010702) and (pulse with		
		(velocit\$3 or speed\$1)) and ((heart near2)		
		sounds) or phono\$1cardiogra\$4))		
_	113	1 2 1 1	USPAT;	2003/09/25
	113	@rlad<20010702) and (pulse with	US-PGPUB;	14:45
		(velocit\$3 or speed\$1)) and (((heart or	EPO; JPO	-1
		cardia\$1 or myo\$1cardia\$1) with sound\$1)	210, 010	
1	1	or phono\$1cardiogra\$4)		
<u>-</u>	21	600/\$ and (@ad<20010702 or	USPAT;	2003/09/25
		Grlad<20010702) and (pulse with	US-PGPUB;	15:09
		(velocit\$3 or speed\$1)) and (((heart or	EPO; JPO	10.05
		cardia\$1 or myo\$1cardia\$1) with sound\$1)	210, 010	
		with first)		
_	60		USPAT;	2003/09/25
		@rlad<20010702) and (pulse with	US-PGPUB;	14:42
		(velocit\$3 or speed\$1)) and (((heart or	EPO; JPO	
		cardia\$1 or myo\$1cardia\$1) near2 sound\$1)	110, 010	
		or phono\$1cardiogra\$4)		
_	8	(600/\$ and (@ad<20010702 or	USPAT;	2003/09/25
		Grlad<20010702) and (pulse with	US-PGPUB;	14:42
		(velocit\$3 or speed\$1)) and (((heart or	EPO; JPO	
1		cardia\$1 or myo\$1cardia\$1) near2 sound\$1)	====, ====	
		or phono\$1cardiogra\$4)) not (600/\$ and		
		(@ad<20010702 or @rlad<20010702) and		
1		(pulse with (velocit\$3 or speed\$1)) and		
		((heart near2 sounds) or		
		phono\$1cardiogra\$4))		
	l	phonography/	1	1

<u> </u>	3	(600/\$ and (@ad<20010702 or	USPAT;	2003/09/25
	3	@rlad<20010702) and (pulse with	US-PGPUB;	14:43
		(velocit\$3 or speed\$1)) and (((heart or	EPO; JPO	
		cardia\$1 or myo\$1cardia\$1) with sound\$1)	210, 010	
		or phono\$1cardiogra\$4)) not ((600/\$ and		
		(@ad<20010702 or @rlad<20010702) and		
		(pulse with (velocit\$3 or speed\$1)) and		
		((heart near2 sounds) or		
		phono\$1cardiogra\$4)) (droesch.xa. and	1	
		envelop\$3) (600/\$ and (@ad<20010702 or		
		@rlad<20010702) and (pulse with		
		(velocit\$3 or speed\$1)) and ((heart with		
1		sound\$1) or phono\$1cardiogra\$4)) ((600/\$		
		and (@ad<20010702 or @rlad<20010702) and		
		(pulse with (velocit\$3 or speed\$1)) and		
		((heart with sound\$1) or		
		phono\$1cardiogra\$4)) not (600/\$ and		
		(@ad<20010702 or @rlad<20010702) and		
		(pulse with (velocit\$3 or speed\$1)) and		
		((heart near2 sounds) or		
		phono\$1cardiogra\$4))) (600/\$ and		
		(@ad<20010702 or @rlad<20010702) and		
		(pulse with (velocit\$3 or speed\$1)) and		
		(((heart or cardia\$1 or myo\$1cardia\$1)		
		with sound\$1) with first)) (600/\$ and		
		(@ad<20010702 or @rlad<20010702) and		
		(pulse with (velocit\$3 or speed\$1)) and		
		(((heart or cardia\$1 or myo\$1cardia\$1)		
		near2 sound\$1) or phono\$1cardiogra\$4))		
		((600/\$ and (@ad<20010702 or		
		@rlad<20010702) and (pulse with		
		(velocit\$3 or speed\$1)) and ((heart or		
		cardia\$1 or myo\$1cardia\$1) near2 sound\$1)		
		or phono\$1cardiogra\$4)) not (600/\$ and		
İ		(@ad<20010702 or @rlad<20010702) and		
		(pulse with (velocit\$3 or speed\$1)) and		
		((heart near2 sounds) or		
		phono\$1cardiogra\$4))))		
		phonograturograya///		